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ABSTRACT

This publication presents the first 1998-1999 report on Community College Classes Offered in Conjunction with High Schools in Arizona. This report contains the following sections: (1) a map of Arizona Community College Campuses, Centers, and Extension Sites; (2) an outline of Rule R7-1-709: Community College Classes Offered in Conjunction with High Schools; (3) Statewide Summary by Community College District; (4) Cochise County Community College District; (5) Coconino County Community College District; (6) Graham County Community College District; (7) Maricopa County Community College District; (8) Navajo County Community College District, (9) Pima County Community College District; (10) Pinal County Community College District; and (11) Yavapai County Community College District. No activity is reported at Glendale Community College in the Maricopa County Community College District, Mohave County Community College District, and Yuma & La Paz Counties Community College District. This report includes the total number of students who were enrolled (unduplicated headcount) in the courses offered at each of the community college districts, the locations at which courses were offered, and the titles of the courses offered. When available, this report also offers a general narrative of the top ten types of courses in which the students were enrolled. (VWC)

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State Board of Directors for Community Colleges of Arizona

Report on Community College Classes Offered in Conjunction with High Schools (R7-1-709) FY 1998-1999

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STATE BOARD OF DIRECTORS FOR
COMMUNITY COLLEGES OF ARIZONA

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December 7, 1999

Mr. Patrick J. Carlin
Chairman
State Board of Directors for Community Colleges of Arizona
3225 North Central Avenue, Suite 1220
Phoenix, Arizona 85012

Dear Chairman Carlin:

It is my pleasure to present you with the first *Report on Community College Classes Offered in Conjunction with High Schools, FY 1998-1999* as required by R7-1-709.

Very truly yours,

Donald E. Puyear
Executive Director

Report on Community College Classes Offered in Conjunction with High Schools (R7-1-709) FY 1998-1999

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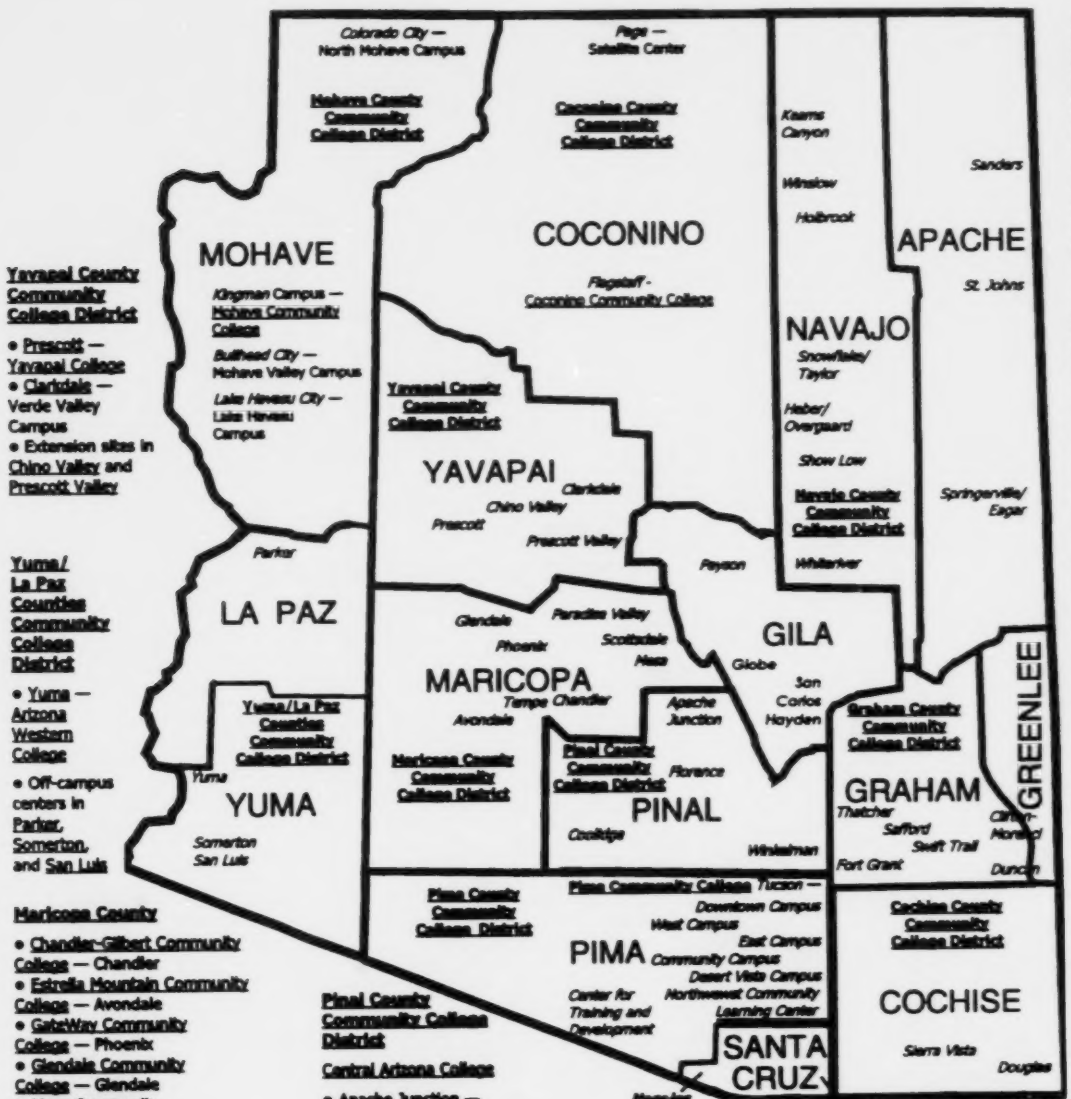
Yavapai County Community College District
Yavapai College 44

Yuma and La Paz Counties Community College District
Arizona Western College (No activity in this area.)

Arizona Community College Campuses, Centers, and Extension Sites
FY 1998-1999



Yavapai County Community College District

- Prescott — Yavapai College
- Clarkdale — Verde Valley Campus
- Extension sites in Chino Valley and Prescott Valley

Yuma/ La Paz Counties Community College District

- Yuma — Arizona Western College
- Off-campus centers in Parker, Somerton, and San Luis

Maricopa County

- Chandler-Gilbert Community College — Chandler
- Estrella Mountain Community College — Avondale
- GateWay Community College — Phoenix
- Glendale Community College — Glendale
- Mesa Community College — Mesa
- Paradise Valley Community College — Phoenix
- Phoenix College — Phoenix
- Rio Salado College — Tempe and other locations
- Scottsdale Community College — Scottsdale
- South Mountain Community College — Phoenix
- Maricopa Skill Center — Phoenix

Pinal County Community College District

Central Arizona College

- Apache Junction — Superstition Mountain Campus
- Additional programs offered in Florence
- Coolidge — Signal Peak Campus
- Winkelman — Aravaipa Campus

- Services in Nogales, Santa Cruz County, provided by Pima County Community College District

- Services in Patagonia, Santa Cruz County, provided by Cochise County Community College District

Cochise County Community College District

- Cochise College — Sierra Vista Campus
- Cochise College — Main Campus, Douglas

Navajo County Community College District

Northland Pioneer College

Campus and Center Locations:

- Heber/Overgaard — Heber Center
- Holbrook — Painted Desert Campus
- Kearns Canyon — Kearns Canyon Center
- Show Low — White Mountain Campus
- Snowflake/Taylor — Silver Creek Campus
- Whiteriver — Whiteriver Center
- Winslow — Little Colorado Campus
- Other programs provided throughout the Navajo, Hopi and White Mountain Apache reservations; Arizona Department of Corrections — Winslow; and Arizona Department of Corrections — Apache County

Graham County Community College District

- Eastern Arizona College Satellite Centers in Gila County — Payson, San Carlos, and Hayden — provided by Eastern Arizona College
- Globe, Gila Pueblo Campus, Eastern Arizona College
- Extension Centers in Greenlee County — Clifton/Morenci and Duncan — provided by Eastern Arizona College
- Eastern Arizona College — Main Campus, Thatcher
- Additional programs offered in Safford, Swift Trail, and Fort Grant

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The following rule was adopted by the State Board on April 16, 1999 and is currrently awaiting certification.

Donald E. Puyear, Executive Director
State Board of Directors for Community Colleges of Arizona

R7-1-709. Community College Classes Offered in Conjunction with High Schools

With the approval of the District Governing Board, courses may be offered by community colleges in conjunction with high schools for the purpose of offering community college instruction to high school students under the following circumstances:

1. Students shall have been admitted to the community college under the provisions of R7-1-301 — Student Admissions and shall satisfy the prerequisites for the course as published in the college catalog.
2. Courses may be offered at the high school campus provided the courses have been evaluated and approved through the official college curriculum approval process.
3. Courses shall use college-approved textbooks, syllabuses, course outlines, and grading standards, all of which are applicable to the courses when taught at the community college campus.
4. Each faculty member shall have a valid community college teaching certificate in the field being taught and shall have been selected and evaluated by the college using the same procedure and criteria that are used at the community college campus.
5. Each college district shall annually, by September 1, provide a report to the State Board of community college courses offered in conjunction with high schools during the previous academic year. This report shall list the locations at which the courses were offered, the discipline areas of the courses, and the aggregate student enrollment.

Report on Community College Classes Offered in Conjunction with High Schools (R7-1-709) FY 1998-1999 District/College	Number of Locations at Which Courses Were Offered	Number of Courses Offered	Aggregate Student Enrollment (Unduplicated Headcount)
Statewide Summary	**110**	**689**	**11,236**
Cochise County Community College District Cochise College	6	28	258
Coconino County Community College District Coconino Community College	1	4	60
Graham County Community College District Eastern Arizona College	8	95	877
Maricopa County Community College District Maricopa Community Colleges	67	335	8,191
Mohave County Community College District Mohave Community College	No activity in this area.		
Navajo County Community College District Northland Pioneer College	11	107	480
Pima County Community College District Pima Community College	10	50	575
Pinal County Community College District Central Arizona College	4	21	146
Yavapai County Community College District Yavapai College	3	48	649
Yuma and La Paz Counties Community College District Arizona Western College	No activity in this area.		

Cochise County Community College District
Cochise College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 258

Locations at Which Courses Were Offered (**6** locations)	Courses Offered (**28** courses)
Benson High School Benson, AZ (4 courses)	HIS 111 History of the United States Since 1877 CHM 151 General Chemistry I PHY 111 General Physics I POS 110 American National Government
Bisbee High School Bisbee, AZ (2 courses)	MAT 151 College Algebra MAT 220 Calculus I
Buena High School Sierra Vista, AZ (8 courses)	HIS 110 History of the United States 1607 – 1877 HIS 111 History of the United States Since 1877 CHM 151 General Chemistry I CHM 152 General Chemistry II MAT 182 Plane Trigonometry PHY 111 General Physics I PHY 112 General Physics II MAT 220 Calculus I
Douglas High School Douglas, AZ (1 course)	MAT 220 Calculus I
St. David High School St. David, AZ (3 courses)	HIS 110 History of the United States 1607 – 1877 HIS 111 History of the United States Since 1877 MAT 151 College Algebra
Willcox High School Willcox, AZ (10 courses)	HIS 110 History of the United States 1607 – 1877 HIS 111 History of the United States Since 1877 CHM 151 General Chemistry I CHM 152 General Chemistry II MAT 151 College Algebra MAT 182 Plane Trigonometry PHY 111 General Physics I PHY 112 General Physics II POS 110 American National Government MAT 220 Calculus I

Cochise College Course Descriptions – Top Ten Courses

CHM 151 General Chemistry I **4 credits**
Introduction to the general principles of chemistry with emphasis on quantitative relationships including properties of matter, chemical bonding and structure, nomenclature, chemical equations, stoichiometry, thermochemistry, and states of matter. Prerequisite: MAT 122 or equivalent; also high school chemistry or CHM 100 with a grade of "C" or better. 3 lecture; 3 lab.

CHM 152 General Chemistry II **4 credits**
Introduction to the general principles of chemistry with emphasis on quantitative relationships including acids and bases, equilibria, oxidation-reduction, kinetics, nuclear chemistry, electrochemistry, and aspects of organic and biochemistry. Prerequisite: CHM 151. 3 lecture; 3 lab.

HIS 110 History of the United States 1607 – 1877 3 credits
A study of development of American characteristics and nationality from colonial beginnings through the period of Reconstruction, emphasizing the factors and forces which produced the Revolution, the Constitution, westward expansion, sectionalism and the Civil War. 3 lecture.

HIS 111 History of the United States Since 1877 3 credits
A study of the social, economic, and political forces that moved the United States through changing times from the post-Reconstruction era to the present, focusing on both domestic and foreign affairs in the country's last century of development. Prerequisite: None. 3 lecture.

MAT 151 College Algebra 4 credits
A logical development of the real number system, field axioms as applied to algebra, sets and set notation, inequalities and absolute value, polynomial functions and their graphs, determinants and matrices, inverse functions, logarithmic and exponential functions, complex numbers, sequences, binomial theorem, and mathematical induction. Prerequisite: Two years of high school algebra, or MAT 122 with a grade of "C" or better. 4 lecture.

MAT 182 Plane Trigonometry 3 credits
An analytical approach to trigonometry based upon the unit circle concept; trigonometric functions, identities, conditional equations, radian measure graphs, logarithms, solution of right and oblique triangles, inverse trigonometric functions and trigonometric form of complex numbers. Prerequisite: MAT 151 or approval of instructor. 3 lecture.

MAT 220 Calculus I 5 credits
An integrated study in which analytic geometry is used to develop, understand, and apply calculus concepts. Includes absolute value and inequality, relations and functions, graphs, limits and continuity, definition and application of the derivative, antiderivative and definite integral. Prerequisite: Four years of high school mathematics or MAT 187 or MAT 151 and MAT 182 or permission of instructor. 5 lecture.

PHY 111 General Physics I 4 credits
Introduction to the general principles of physics in the areas of mechanics and thermodynamics. Special emphasis is placed on algebra to solve word problems. Prerequisite: MAT 122 or equivalent. 3 lecture; 3 lab.

PHY 112 General Physics II 4 credits
Introduction to the general principles of physics in the areas of mechanics and thermodynamics. Special emphasis is placed on algebra to solve word problems. Prerequisite: MAT 122 or equivalent. 3 lecture; 3 lab.

POS 110 American National Government 3 credits
A study of the political system of the United States. Emphasis on constitutional development, the political culture, voting, political parties, campaigns and elections, interest groups, public opinion, and the three branches of the national government. Designed to increase the student's awareness and understanding of the political arena. This course fulfills the Federal Constitution requirement for the Arizona Teaching Certificate. Prerequisite: None. 3 lecture.

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Coconino County Community College District
Coconino Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 60

Locations at Which Courses Were Offered (1 location)	Courses Offered (4 courses)
Coconino Community College Page, AZ	ENG 101 College Composition I ENG 102 College Composition II MAT 220 Calculus & Analytical Geometry I SOC 101 Introduction to Sociology

Coconino Community College Course Descriptions

ENG 101 College Composition I **3 credits**
Extensive practice in essay writing with emphasis on critical thinking, analytical reading, and observation, and the process of writing. Prerequisite: Placement, ENG 100 or ENG 100X. Three lecture.

ENG 102 College Composition II **3 credits**
Extensive practice in critical thinking, reading, and writing with an emphasis on composing analytical essays on literary topics and a documented essay. Prerequisite: ENG 101. Three lecture.

MAT 220 Calculus & Analytical Geometry I **5 credits**
Limits, continuity, differential, and integral operations on algebraic and trigonometric functions and applications. Prerequisite: MAT 187 or MAT 151 and MAT 184, or placement. Five lecture.

SOC 101 Introduction to Sociology **3 credits**
Concepts, theories and research methods, definitions and classifications of individuals and groups, concepts and theories of stratification, social institutions, modernization, and movements. Three lecture.

Graham County Community College District
Eastern Arizona College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 877

Locations at Which Courses Were Offered (**8** locations)	Courses Offered (**95** courses)
Globe High School Globe, AZ (6 courses)	CMP 101 Introduction to Computers CMP 102 Introduction to Computer Based Systems HPE 101Y Beginning Weights I HPE 102Y Beginning Weights II NUR 101 Nursing Assistant I NUR 102 Nursing Assistant II
Miami High School Miami, AZ (20 courses)	ART 101 Fundamentals of Design ART 102 Color and Design ART 171 Beginning Crafts I ART 172 Beginning Crafts II ART 216 Illustration I BIO 100 Biology Concepts BLD 101 Beginning Carpentry BUS 101 Fundamentals of Accounting CMP 101 Introduction to Computers CMP 110 Current Applications ENG 101 Written Communications 1 ENG 110 Composition Skills I ENG 131 Introduction to Creative Writing HPE 101 Beginning Physical Activities I HPE 101Y Beginning Weights I HPE 102 Beginning Physical Activities II NUR 101 Nursing Assistant I NUR 102 Nursing Assistant II SPA 101 Elementary Spanish I WLD 111 Arc Welding
Morenci High School Morenci, AZ (19 courses)	AUT 101 Introduction to Automotive Technology AUT 104 Small Engines AUT 106 Automotive Electrical Fundamentals AUT 110 Fuel and Emission Systems AUT 132 Braking Systems ENG 101 Written Communications I ENG 102 Written Communications II ENG 110 Composition Skills I ENG 111 Composition Skills II MAT 154 College Algebra MAT 181 Plane Trigonometry MSP 101 Fundamentals of Machine Shop MSP 104 Machine Shop MSP 108 Introduction to Oxyacetylene Welding and Metal Fabrication MSP 123 Precision Measuring Tools *more →*

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Locations at Which Courses Were Offered	Courses Offered
Morenci High School Morenci, AZ (continued)	MSP 260 Pattern Making and Foundry SPA 202 Intermediate Spanish II WLD 101 Welding WLD 111 Arc Welding
Mt. Graham High School Safford, AZ (3 courses)	CMP 101 Introduction to Computers OFT 117 Electronic Keyboarding I OFT 118 Electronic Keyboarding II
Payson High School Payson, AZ (8 courses)	ART 101 Fundamentals of Design ART 102 Color and Design BLD 101 Beginning Carpentry BLD 130 Form and Frame HPE 101Y Beginning Weights I NUR 101 Nursing Assistant I NUR 102 Nursing Assistant II OFT 237 Word Processing Application
Safford High School Safford, AZ (11 courses)	DRF 108 Technical Drafting DRF 170 Architectural Drafting DRF 220 Machine Drafting DRF 232 Structural Drafting DRF 261 Computer Aided Drafting- Introduction to AutoCAD DRF 262 Computer Aided Drafting - Facilities DRF 263 Survey of CAD Systems DRF 271 Computer Aided Drafting - Advanced AutoCAD ENG 101 Written Communications I ENG 102 Written Communications II MAT 154 College Algebra
San Carlos High School San Carlos, AZ (19 courses)	AGR 135 Conservation and Natural Resources APA 101 Apache Language I ART 111 Drawing ART 161 Beginning Ceramics I ART 162 Beginning Ceramics II ART 186 Introduction to Computer Graphics BUA 101 Introduction to Business BUS 101 Fundamental of Accounting BUS 181 Front Desk Clerk BUS 190 Presenting Service - Waiter/Waitress BUS 191 Applied Food Service Sanitation - Safe Food Handling COE 101 Job Seeking Strategies COE 111 Cooperative Education I DRF 261 Computer Aided Drafting- Introduction to AutoCAD ENG 101 Written Communications 1 ENG 110 Composition Skills I OFT 214 Professional Office Skills OFT 215 Office Administration SPA 101 Elementary Spanish I
Thatcher High School Thatcher, AZ (3 courses)	AUT 101 Introduction to Automotive Technology AUT 104 Small Engines AUT 106 Automotive Electrical Fundamentals

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Locations at Which Courses Were Offered	**Eastern Arizona College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Thatcher High School Thatcher, AZ (6 courses)	AUT 110 Fuel and Emission Systems MSP 101 Fundamentals of Machine Shop MSP 104 Machine Shop MSP 110 Welding MSP 210 Technical Welding MSP 260 Pattern Making and Foundry

Eastern Arizona College Course Descriptions – Top Ten Courses

CMP 101 Introduction to Computers **3 credits**
A first course in computers designed to provide beginning students with an understanding of the computer revolution in society, with hands-on experience in a microcomputer and VAX laboratory.

CMP 110 Current Applications **½ to 2 credits**
Provides individuals with the opportunity to specialize in specific current software applications for microcomputers. Recommend at least one introductory course or equivalent background.

DRF 108 Technical Drafting **2 credits**
Course is designed for students with little or no drafting background. Course content includes careers in drafting/engineering, use of drafting equipment, drafting techniques, lettering, geometric construction, multi-view and isometric drawings, sectional and auxiliary views, and basic dimensioning.

DRF 261 Computer Aided Drafting- Introduction to AutoCAD **2 to 3 credits**
Students will gain hands-on experience using AutoCAD computer drafting software. Emphasis is placed on the integration of 3D solid modeling and 2D drafting output.

ENG 101 Written Communications 1 **3 credits**
Emphasizes clear and effective writing and critical reading.

ENG 102 Written Communications II **3 credits**
Continues development of skills and concepts taught in ENG 101. Emphasizes research and critical reading and writing.

ENG 110 Composition Skills I **1 credit**
An open entry/open exit course for ENG 101 students. Intensive practice in grammar, mechanics, and usage. Emphasis on generative and evaluative writing skills. Lab is self-paced, focusing on individual needs.

HPE 101Y Beginning Weights I **1 credit**
Sections of HP101 are offered in a variety of physical activities, including individual, dual, and team sports.

MAT 154 College Algebra **3 credits**
A review of polynomials, exponents, and radicals; solutions to equations and inequalities in one and two variables. Topics covered include exponential, logarithmic, and quadratic functions; roots of polynomials; graphs of various functions and conic sections; solutions of systems of linear equations. Recommend completion of two years of high school algebra.

OFT 237 Word Processing Application **3 credits**
This course is designed to help students meet a primary goal to provide students with the opportunity to learn word processing for employment purposes. It is recommended that the student key at a minimum rate of 40 net words per minute.

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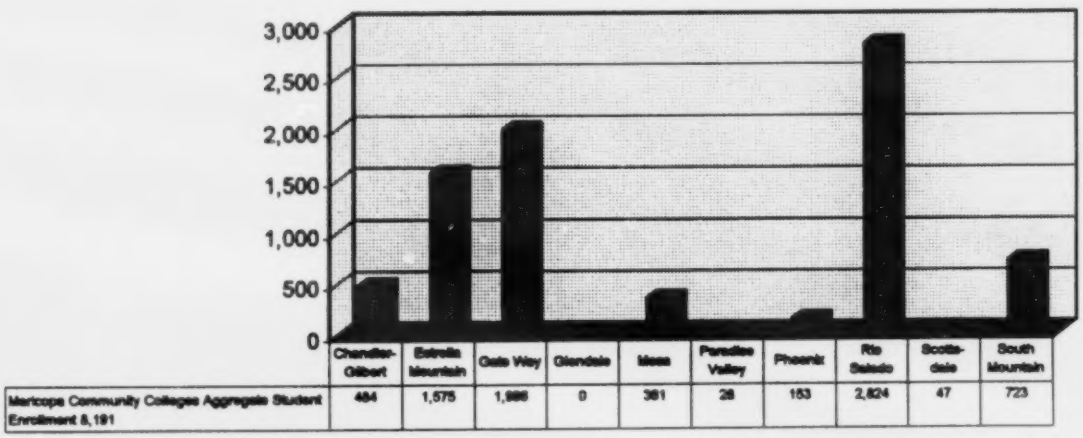
Report on Community College Classes Offered in Conjunction with High Schools (R7-1-709) FY 1998-1999 College	Number of Locations at Which Courses Were Offered	Number of Courses Offered	Aggregate Student Enrollment (Unduplicated Headcount)
Maricopa Community Colleges District Summary	**67**	**335**	**8,191**
Chandler-Gilbert Community College	7	22	484
Estrella Mountain Community College	11	69	1,575
GateWay Community College	8	47	1,996
Glendale Community College	No activity in this area.		
Mesa Community College	9	23	361
Paradise Valley Community College	2	2	28
Phoenix College	7	29	153
Rio Salado College	19	125	2,824
Scottsdale Community College	2	3	47
South Mountain Community College	2	15	723

Maricopa Community Colleges
Student Enrollments
FY 1998-99



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Maricopa County Community College District
Maricopa Community Colleges

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 8,191

335 Courses Offered at 67 locations

Maricopa Community Colleges Course Descriptions – Top Ten Courses

BPC 110 Computer Usage and Applications 3 credits
Exploration of computer operations and uses. Specific applications to business-personal computers. Prerequisites: None.

ENG 102 First-Year Composition 3 credits
Continued development of Standard English writing skills. Introduction to research, note taking, organization, and documentation in the preparation and writing of a research paper. Prerequisites: ENG101 with a grade of "C" or better.

ENH 242 American Literature After 1860 3 credits
Includes literature written after 1860 in the United States. Prerequisites: None.

HUM 104 Ideas and Values in the Humanities 4 credits
An historical analysis of the interrelationships of art, architecture, literature, music, and philosophy from the Renaissance to modern period. Prerequisites: None.

HRM 110 Introduction to Hospitality Management 3 credits
Fundamental overview of hotel, restaurant, and tourism segments of hospitality industry. Provides an overview of the operational sectors of the industry and reviews management components and skills. Contains career component to help students make informed career decisions. Prerequisites: None.

MAT 212 Brief Calculus 3 credits
An introduction to the theory, techniques and applications of the differential and integral calculus of elementary functions with problems of interest to students in business and the social sciences. Prerequisites: Grade of "C" or better in MAT150, or MAT 151, or MAT 152, or equivalent, or satisfactory score on District placement exam.

MAT 231 Calculus with Analytic Geometry II 4 credits
Methods of integration, applications of calculus, elements of analytic geometry, improper integrals, sequences and series. May receive credit for only one of the following: MAT 230 or MAT 231. Prerequisites: Grade of "C" or better in MAT 220 or MAT 221 or equivalent.

OAS 101 Typing I: Keyboarding and Formatting 3 credits
Keyboard mastery; letters, tables, and reports; office production; and manuscripts. Prerequisites: None.

SPA 102 Elementary Spanish II 4 credits
Continued study of grammar and vocabulary of the Spanish language and study of the Spanish-speaking cultures. Emphasis on speaking, reading, and writing skills. Prerequisites: SPA 101 or departmental approval.

PHY 112 General Physics II 4 credits
Includes electricity, magnetism, optics, and modern physics. Prerequisites: PHY 105 or PHY 111.

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Maricopa County Community College District
Chandler-Gilbert Community Colleges

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 484

Locations at Which Courses Were Offered (7 locations)	Courses Offered (22 courses)
Chandler High School Chandler, AZ (6 courses)	ART 131 Photography I CHM 152 General Chemistry II CHM 152LL General Chemistry II Lab HIS 104 United States History 1870 to Present MAT 187 Precalculus SPA 202 Intermediate Spanish II
Corona del Sol High School Tempe, AZ (2 courses)	ACC 250 Intro Accounting Lab MST 150 Microsoft Windows NT Administration
Desert Vista High School Tempe, AZ (1 course)	MST 150 Microsoft Windows NT Administration
Gilbert High School Gilbert, AZ (6 courses)	ACC 250 Intro Accounting Lab BPC 117AM DB Management: Microsoft Access I BPC 117BM Database Management: Microsoft Access II BPC 170 Microcomputer Maintenance I HIS 104 United States History 1870 to Present MAT 241 Calculus & Analytic Geometry III
Hamilton High School Chandler, AZ (2 courses)	SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II
Highland High School Gilbert, AZ (3 courses)	BIO 182 General Biology (Majors)II BPC 117AM Database Management: Microsoft Access II BPC 117BM Database Management: Microsoft Access II
Mountain Point High School Tempe, AZ (2 courses)	MGT 251 Human Relations in Business MST 150 Microsoft Windows NT Administration

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Maricopa County Community College District
Estrella Mountain Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 1,575

Locations at Which Courses Were Offered (**11** locations)	Courses Offered (**69** courses)
Agua Fria Union High School Litchfield Park, AZ (7 courses)	BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182 CHM 152 General Chemistry II CHM 152 General Chemistry II LAB ENG 102 First-Year Composition HIS 104 United States History 1870 to Present SPA 202 Intermediate Spanish II
Buckeye Union High School Buckeye, AZ (9 courses)	ENG 102 First-Year Composition FRE 102 Elementary French II FRE 202 Intermediate French II FRE 266 Advanced French II HIS 104 United States History 1870 to Present MAT 182 Plane Trigonometry PSY 101 Introduction to Psychology SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II
Centennial High School Peoria, AZ (2 courses)	CNT 140 CISCO Networking Fundamentals CNT 150 CISCO Network Router Technologies
Dysart High School El Mirage, AZ (3 courses)	BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182 CNT 140 CISCO Networking Fundamentals
Glendale High School Glendale, AZ (1 course)	CNT 150 CISCO Network Router Technologies
Greenway High School Phoenix, AZ (1 course)	CNT 150 CISCO Network Router Technologies
Metro Tech Phoenix, AZ (2 courses)	CNT 140 CISCO Networking Fundamentals CNT 150 CISCO Network Router Technologies
Maryvale High School Phoenix, AZ (7 courses)	BIO 105 Environmental Biology BIO 105 Laboratory for BIO 105 ECN 112 Microeconomic Principles ENG 102 First-Year Composition OAS 101 Typing I: Keyboarding & Formatting SPA 101 Elementary Spanish I SPA 102 Elementary Spanish II

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Locations at Which Courses Were Offered	**Estrella Mountain Community College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Trevor Browne High School Phoenix, AZ (7 courses)	AST 112 Introduction to Astronomy II AST 114 Astronomy II Laboratory CHM 152 General Chemistry II CHM 152 General Chemistry II Lab ENG 102 First-Year Composition GTC 130 Furniture Construction I GTC 131 Furniture Construction II
Tolleson Union High School Tolleson, AZ (18 courses)	BPC 117 Database Management:Microsoft Access-Level I BPC 118 Powerpoint: Level I BPC 135 Word Processing Software: Word/Win CIS 114 Excel: Level I CIS 114 Excel: Level II CIS 123 Microsoft Windows CIS 133 The Internet: WWW COM 225 Public Speaking COM 241 Introduction to Oral Interpretation ENG 101 First-Year Composition ENG 102 First-Year Composition ENH 110 Introduction to Literature HIS 103 United States History to 1870 HIS 104 United States History 1870 to Present MAT 151 College Algebra/Functions MAT 187 Precalculus OAS 101 Typing I: Letters, Tables & Reports OAS 101 Typing I: Office Prod & Manuscript
Westview High School Avondale, AZ (12 courses)	ART 132 Photography II BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182 CHM 152 General Chemistry II CHM 152 General Chemistry II Lab ECN 112 Microeconomic Principles ENG 102 First-Year Composition ENH 110 Introduction to Literature ENH 222 Survey of English Literature After 1800 HIS 104 United States History 1870 to Present SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II

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Maricopa County Community College District
GateWay Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 1,996

Locations at Which Courses Were Offered (**8** locations)	Courses Offered (**47** courses)
Camelback High School Phoenix, AZ (1 course)	OAS 101 Typing/Keyboard
East Valley Institute of Technology Mesa, AZ (14 courses)	BPC 110 Computer Use/Applications CIS 183AH Microsoft Suite HCC 100AA Health Care Today HCC 100AB Workplace Behavior HCC 100AC Workplace Safety HCC 100AD Basic Medical Terminology HCC 100AE Communication HCC 100AF Team Building HCC 100AG CPR HCC 150 Ethical/Legal HCC 152 Problem Solving HCC 154 Body Structure HCC 155 Core Medical Terminology HCC 156 Nursing Assistant
Greenway High School Phoenix, AZ (11 courses)	HCC 100AA Health Care Today HCC 100AB Workplace Behavior HCC 100AC Workplace Safety HCC 100AD Basic Medical Terminology HCC 100AE Communication HCC 100AF Team Building HCC 100AG CPR HCC 150 Ethical/Legal HCC 152 Problem Solving HCC 154 Body Structure HCC 156 Nursing Assistant
Marcos de Niza High School Tempe, AZ (4 courses)	SBS 214 Small Business Customer Relations CIS 140 Multimedia OAS 101AA Keyboard Mastery GBS 132 Personal/Family Financial Security
McClintock High School Tempe, AZ (2 courses)	SBS 214 Small Business Customer Relations CIS 140 Multimedia
Paradise Valley High School Phoenix, AZ (1 course)	HCC 156 Nursing Assistant

more →

Locations at Which Courses Were Offered	**GateWay Community College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Sunnyslope High School Phoenix, AZ (13 courses)	HCC 100AA Health Care Today HCC 100AB Workplace Behavior HCC 100AC Workplace Safety HCC 100AD Basic Medical Terminology HCC 100AE Communication HCC 100AF Team Building HCC 100AG CPR HCC 150 Ethical/Legal HCC 152 Problem Solving HCC 154 Body Structure HCC 155 Core Medical Terminology HCC 156 Nursing Assistant HCC 100AD Basic Medical Terminology
Tempe High School Tempe, AZ (2 courses)	SBS 214 Small Business Customer Relations OAS 101AA Keyboard Mastery

Maricopa County Community College District
Mesa Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 361

Locations at Which Courses Were Offered (**9** locations)	Courses Offered (**23** courses)
Chandler High School Chandler, AZ (1 course)	SLG 102 American Sign Language II
Dobson High School Mesa, AZ (1 course)	CPD 100 Orientation for Student Development
East Valley Institute of Technology Mesa, AZ (4 courses)	AJS 107 Patrol Procedures ELE 100 Concepts of Electricity & Electronics ELE 105 Algebra - Trigonometry for Technology ELE 131 Digital Logic and Circuits
Gilbert High School Gilbert, AZ (7 courses)	AGL 189 Landscape Design AGS 182AA Gardening Practices and Techniques AGS 296WC Cooperative Education ANS 110 Introduction to Animal Science ANS 212 Livestock Production & Management GLG 102 Introduction to Geology II - Historical Lecture GLG 104 Introduction to Geology II - Lab
Greater Phoenix Chinese Christian Academy Chandler, AZ (1 course)	CHI 101 Elementary Chinese
Heritage Academy Mesa, AZ (2 courses)	SPA 101 Elementary Spanish I SPA 102 Elementary Spanish II
Highland High School Gilbert, AZ (5 courses)	AGL 189 Landscape Design AGS 182AA Gardening Practices and Techniques AGS 296WC Cooperative Education ANS 110 Introduction to Animal Science ANS 212 Livestock Production & Management
Mesquite High School Gilbert, AZ (1 course)	ANS 110 Introduction to Animal Science
Mountain View High School Mesa, AZ (1 course)	POS 298AC Special Projects

Maricopa County Community College District
Paradise Valley Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 28

Locations at Which Courses Were Offered (2 locations)	Courses Offered (2 courses)
North Canyon High School Phoenix, AZ (1 course)	CPD 100 Orientation for Student Development
Paradise Valley High School Phoenix, AZ (1 course)	CPD 100 Orientation for Student Development

Maricopa County Community College District
Phoenix College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 153

Locations at Which Courses Were Offered (**7** locations)	Courses Offered (**29** courses)
Alhambra High School Phoenix, AZ (8 courses)	BIO 181 General Biology (Majors) BIO 181L Laboratory for BIO 181 CHM 151 General Chemistry I CHM 151L Laboratory for CHM 151 ENG 101 First-Year Composition HES 298AB Special Projects MAT 220 Analytic Geometry and Calculus I PSY 101 Introduction to Psychology
Camelback High School Phoenix, AZ (3 courses)	MAT 220 Analytic Geometry and Calculus I PHY 111 General Physics PHY 111L Laboratory for PHY 111
Carl Hayden High School Phoenix, AZ (2 courses)	ART 179 Electronic Presentation Design MMT 216 Multimedia Project Management
Central High School Phoenix, AZ (3 courses)	BIO 181 General Biology (Majors) BIO 181L Laboratory for BIO 181 MAT 220 Analytic Geometry and Calculus I
South Mountain High School Phoenix, AZ (1 course)	MAT 220 Analytic Geometry and Calculus I
Trevor Browne High School Phoenix, AZ (4 courses)	BIO 181 General Biology (Majors) BIO 181L Laboratory for BIO 181 HIS 103 United States History to 1870 MAT 220 Analytic Geometry and Calculus I
Thunderbird High School Phoenix, AZ (8 courses)	BPC 114AE Excel 97 Level I BPC 114BE Excel 97 Level II BPC 117AJ Database Management: FileMaker Pro-Level I BPC 117BJ Database Management: FileMaker Pro-Level II BPC 135BK Word Processing Software: Word/MAC OAS 101AA Typing I: Keyboard Mastery OAS 101AB Typing I: Letters, Tables, and Reports OAS 118 10-Key By Touch

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Maricopa County Community College District
Rio Salado College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 2,824

Locations at Which Courses Were Offered (**19** locations)	Courses Offered (**125** courses)
Cactus Shadows High School Cave Creek, AZ (2 courses)	BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182
Carl Hayden High School Phoenix, AZ (5 courses)	FRE 102 Elementary French II FRE 202 Intermediate French II MAT 231 Calculus with Analytic Geometry II SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II
Corona del Sol High School Tempe, AZ (9 courses)	ENG 102 First-Year Composition GER 102 Elementary German II GER 202 Intermediate German II HUM 104 Ideas & Values in the Humanities MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II MAT 262 Differential Equations PSY 101 Introduction to Psychology SOC 101 Introduction to Sociology
Coronado High School Scottsdale, AZ (2 courses)	PHY 112 General Physics II PHY 112 Laboratory for PHY 112
Deer Valley High School Glendale, AZ (6 courses)	ENG 102 First-Year Composition MAT 167 Elements of Statistics MAT 182 Plane Trigonometry PSY 101 Introduction to Psychology SOC 101 Introduction to Sociology SPA 102 Elementary Spanish II
Desert Vista High School Phoenix, AZ (11 courses)	COM 225 Public Speaking FRE 102 Elementary French II FRE 202 Intermediate French II HUM 104 Ideas & Values in the Humanities MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II MAT 262 Differential Equations SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II SPA 217 Spanish for Business Communication SPA 282 Volunteering for Spanish: Service Learning Experience ***more →***

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Locations at Which Courses Were Offered	**Rio Salado College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Dobson High School Mesa, AZ (11 courses)	BIO 105 Environmental Biology BIO 105 Laboratory for BIO 105 BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182 BIO 202 Human Anatomy & Physiology BIO 202 Laboratory for BIO 202 CHM 152 General Chemistry II CHM 152 General Chemistry II Lab MAT 212 Brief Calculus PHY 112 General Physics II PHY 112 Laboratory for PHY 112
Foothills Academy Cave Creek, AZ (1 course)	SPA 102 Elementary Spanish II
Gilbert High School Gilbert, AZ (1 course)	SPA 102 Elementary Spanish II
Marcos de Niza High School Tempe, AZ (6 courses)	CHM 152 General Chemistry II CHM 152 General Chemistry II Lab ENG 102 First-Year Composition HUM 104 Ideas & Values in the Humanities MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II
McClintock High School Tempe, AZ (2 courses)	MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II
Mesa High School Mesa, AZ (2 courses)	ENG 102 First-Year Composition MAT 182 Plane Trigonometry
Mountain Point High School Phoenix, AZ (18 courses)	ACC 112 Accounting Principles II ART 112 Two-Dimensional Design ART 115 Three-Dimensional Design ART 131 Photography I ART 167 Painting I ART 171 Jewelry I ENG 102 First-Year Composition FRE 102 Elementary French II FRE 202 Intermediate French II GER 202 Intermediate German II HUM 104 Ideas & Values in the Humanities MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II PHY 112 General Physics II PHY 112 Laboratory for PHY 112 POS 220 U.S. & Arizona Constitution SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II *more →*

Locations at Which Courses Were Offered	**Rio Salado College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Red Mountain High School Mesa, AZ (7 courses)	BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182 CHM 152 General Chemistry II CHM 152 General Chemistry II Lab ENH 110 Introduction to Literature PHY 112 General Physics II PHY 112 Laboratory for PHY 112
Sequoia High School Mesa, AZ (2 courses)	ENH 284 19th Century Women Writers MAT 120 Intermediate Algebra with Review
South Mountain High School Phoenix, AZ (1 course)	MGT 253 Owning & Operating a Small Business
Tempe High School Tempe, AZ (8 courses)	BIO 202 Human Anatomy & Physiology II BIO 202 Laboratory for BIO 202 HUM 104 Ideas & Values in the Humanities MAT 182 Plane Trigonometry MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II
Westwood High School Mesa, AZ (8 courses)	BIO 182 General Biology (Majors) II BIO 182 Laboratory for BIO 182 BIO 202 Human Anatomy & Physiology II BIO 202 Laboratory for BIO 202 CHM 152 General Chemistry II CHM 152 General Chemistry II Lab PHY 112 General Physics II PHY 112 Laboratory for PHY 112
Xavier College Preparatory Phoenix, AZ (23 courses)	ACC 112 Accounting Principles II BIO 202 Human Anatomy & Physiology II BIO 202 Laboratory for BIO 202 BPC 110 Computer Usage & Application BPC 114 Excel Spreadsheet BPC 120 Microcomputer Graphics: MACPowerpoint BPC 135 Word Processing Software: Word/Win BPC 235 Advanced Word Processing Software: Word/Win CFS 176 Child Development ENH 222 Survey of English Literature After 1800 ENH 242 American Literature After 1860 FON 144 Gourmet Foods FRE 102 Elementary French II FRE 202 Intermediate French II HIS 102 History of Western Civilization/1789 to Present HIS 104 United States History 1870 to Present MAT 182 Plane Trigonometry MAT 212 Brief Calculus MAT 231 Calculus with Analytic Geometry II PHI 243 World Religions SPA 102 Elementary Spanish II SPA 202 Intermediate Spanish II TEC 112 Pattern Alteration & Fit

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Maricopa County Community College District
Scottsdale Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 47

Locations at Which Courses Were Offered (**2** locations)	Courses Offered (**3** courses)
Chaparral High School Scottsdale, AZ (1 course)	PHY 131 University Physics
Fountain Hills High School Fountain Hills, AZ (2 courses)	HRM 110 Introduction to Hospitality Management ART 100 Introduction to Computer Graphics

Maricopa County Community College District
South Mountain Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 723

Locations at Which Courses Were Offered (**2** locations)	Courses Offered (**15** courses)
South Mountain Community College Phoenix, AZ (6 courses)	AGB 132 Agricultural Acct & Bus Analysis AGS 164 Plant Growth & Development ANS 223 Animal Diseases EQS 105 Principles of Equine Science EQS 120 Equine Anatomy & Physiology BIO 109 Natural History of the Southwest
South Mountain High School Phoenix, AZ (9 courses)	ACC 115 Computerized Accounting AET 107 Private Pilot Ground School ATC 101 Introduction to Air Traffic Control ATC 102 Air Traffic Control Comm BPC 110 Computer Usage & Application ECH 281 Movement/Music Young Child ENG 101 First-Year Composition OAS 101 Typing I: Keyboarding & Format OAS 102 Typing II: Document Production

Navajo County Community College District
Northland Pioneer College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 480

Locations at Which Courses Were Offered (**11** locations)	Courses Offered (**107** courses)
Alchesay High School Whiteriver, AZ (2 courses)	NAT 102 Nursing Assistant NAT 103 Home Health Aide
Blue Ridge High School Lakeside, AZ (40 courses)	AUT 106 Automotive Engines AUT 108 Automotive Engine Laboratory II AUT 109 Automotive Engine Service Laboratory BOC 100 Construction Safety BOC 101 Shop Safety Practices BOC 105 Wood and Steel Framing BOC 135 Furnituremaking I BOC 235 Furnituremaking II BUS 112 Fundamentals of Bookkeeping for Business BUS 122 Computer Accounting DRF 120 Technical Drafting I DRF 130 Architectural Drafting I DRF 145 AutoSketch DRF 150 AutoCAD I DRF 200 Applied Drafting and Design DRF 230 Architectural Drafting II DRF 250 AutoCAD II ECD 100 Providing a Healthy Environment ECD 102 Ensuring a Safe Environment ECD 105 Guidance Principles for Encouraging Self-Discipline ECD 108 Techniques for Observing Children ECD 120 Enhancing a Positive Self-Concept ECD 136 Understanding How Children Learn ECD 147 Prenatal and Infant Development ECD 148 Toddler Development ECD 149 Development of the Preschool Child HEC 112 Beginning Clothing Construction HOS 122 Foods II INA 105 Woodworking I INA 106 Woodworking II INA 205 Woodworking III INA 206 Woodworking IV ITP 160 Robotics LAN 160 Beginning American Sign Language LAN 161 Intermediate American Sign Language MAT 152 College Algebra MAT 189 Precalculus Algebra/Trigonometry MAT 211 Technical Calculus OED 125 Stenoscript ABC Shorthand OED 142 WordPerfect Word Processing *more →*

Locations at Which Courses Were Offered	**Northland Pioneer College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Holbrook High School Holbrook, AZ (9 courses)	ENL 102 English Composition II GLG 101 Introduction to Geology I - Physical Geology MAT 152 College Algebra MAT 189 Precalculus Algebra/Trigonometry MAT 230 Calculus and Analytic Geometry I MAT 231 Calculus II SPA 101 Elementary Spanish I SPA 102 Elementary Spanish II SPA 201 Intermediate Spanish I
Hopi High School Keams Canyon, AZ (8 courses)	BIO 181 General Biology I BIO 182 General Biology II ENL 100 Fundamentals of Composition ENL 101 College Composition I ENL 102 College Composition II MAT 152 College Algebra MAT 189 Precalculus Algebra/Trigonometry POS 110 American Government
Joseph City High School Joseph City, AZ (17 courses)	BOC 120 Cabinetmaking I BOC 220 Cabinetmaking II BUS 112 Fundamentals of Bookkeeping for Business BUS 117 Principles of Accounting I - Financial INA 105 Woodworking I SER 140 Small Four-Cycle Engine Repair WLD 124 Arc Welding Theory WLD 125 Arc Welding I WLD 126 Arc Welding II WLD 145 Welding Metallurgy WLD 220 Arc Welding III WLD 221 Arc Welding IV WLD 225 TIG Welding I WLD 226 TIG Welding II WLD 230 MIG Welding WLD 240 Welding WLD 290 Welding Fabrication
Mogollon High School Heber, AZ (2 courses)	MAT 189 Precalculus Algebra/Trigonometry MAT 221 Calculus I
Northern Arizona Academy Show Low, AZ (3 courses)	ART 101 Understanding Art HIS 105 United States History I HIS 106 United States History II
Northern Arizona Academy Snowflake, AZ (2 courses)	HIS 105 United States History I HIS 106 United States History II

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Locations at Which Courses Were Offered	**Northland Pioneer College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Show Low High School Show Low, AZ (11 courses)	AUT 106 Automotive Engines AUT 107 Automotive Engine Laboratory I BUS 100 Introduction to Business BUS 110 Small Business Management BUS 112 Fundamentals of Bookkeeping for Business BUS 122 Computer Accounting DRF 120 Technical Drafting I DRF 130 Architectural Drafting I MAT 189 Precalculus Algebra/Trigonometry OED 100 Keyboarding OED 111 Advanced Keyboarding and Document Processing
St. Johns High School St. Johns, AZ (5 courses)	ECD 147 Prenatal and Infant Development ECD 148 Toddler Development ECD 149 Development of the Preschool Child HIS 105 United States History I HIS 106 United States History II
Winslow High School Winslow, AZ (8 courses)	ENL 101 College Composition I ENL 102 College Composition II MAT 152 College Algebra MAT 189 Precalculus Algebra/Trigonometry POS 110 American Government POS 221 American Constitution and Government SPA 101 Elementary Spanish I SPA 102 Elementary Spanish II

Northland Pioneer College Course Descriptions – Top Ten Courses

BOC 101 Shop Safety Practices 3 credits
Introductory course in applied safety practices in construction/woodshop. Topics include: hand tools safety/care/use, portable power tool safety/care/use, power machinery safety/care/use, personal protection, projects. One lecture; two lab.

BUS 112 Fundamentals of Bookkeeping for Business 3 credits
This course covers the basics of accounting and takes students through the complete accounting cycle. Set up journals, ledger accounts, special journals and prepare financial statements. Two lecture; two lab.

ENL 101 College Composition I 3 credits
A course in the basic principles of writing college level, academic essays, including a short research paper. Prerequisite: Satisfactory placement. Three lecture.

ENL 102 College Composition II 3 credits
A course in the basic principles of writing college level, documented critical essays, including a longer research paper. Prerequisite: A grade of 'C' or better in ENL 10 1. Three lecture.

INA 105 Woodworking I **3 credits**
Basic materials, tools, and techniques to produce wood projects. Topics include: shop safety, tool certification, use and care of hand tools/portable power tools/woodworking machinery, designing and drawing wood projects, common wood identification and selection, surfacing/jointing/cross cutting/ripping lumber, dado and rabbet techniques, fasteners, clamping, gluing, joinery, assembly, surface preparation and finishing. Two lecture; two lab.

MAT 152 College Algebra **3 credits**
This course presents algebraic concepts at the college level. The approach is intuitive and interactive, with an emphasis on real life applications and the use of current technologies, particularly graphing calculators. Coursework includes a review of basic algebra, then progresses to techniques for solving equations and inequalities both algebraically and graphically. Also covers polynomial, rational, radical, exponential and logarithmic functions and their graphs, as well as sequences, series, and combinatorics. Prerequisite: Graphing calculators required. Grade of 'C' or better in MAT 109/112 or MAT 122, or satisfactory placement. Three lecture.

MAT 189 Precalculus Algebra/Trigonometry **3 credits**
This course presents the concepts in algebra and trigonometry necessary to prepare for calculus. The approach is intuitive and interactive, with an emphasis on real life applications and the use of current technologies, particularly graphing calculations. Coursework includes trigonometric functions, analytical trigonometry, vectors and applications, systems of equations and inequalities, matrices and determinants, analytic geometry. Prerequisites: Graphing calculators required. Grade of 'C' or better in MAT 152. Three lecture

OED 100 Keyboarding **1 credit**
Basic keyboard and keypad mastery using correct tough principles. Basic formatting techniques are introduced. .05 lecture; one lab.

OED 142 WordPerfect Word Processing **3 credits**
Mastery of WordPerfect word processing software applications for business or personal use. Program commands needed to prepare reports, letters, memos and other business documents; macros, graphics and other office applications are included. Prerequisites: OED 110, CSC 103. Two lecture; two lab.

POS 110 American Government **3 credits**
Introduction of various aspects of the national government: Constitutional framework, structures, courts, Congress, presidency, interest groups, political parties. Satisfies teacher certification requirements for federal constitution. Prerequisite: Satisfactory placement. Three lecture.

SPA 101 Elementary Spanish I **4 credits**
Introduction to the Spanish language, with emphasis on developing the skills of listening, speaking, reading and writing. Stress on basic grammar, pronunciation, vocabulary, and culture. Prerequisite: Satisfactory placement. Four lecture.

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Pima County Community College District
Pima Community College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 575

Locations at Which Courses Were Offered (**10** locations)	Courses Offered (**50** courses)
Catalina High School Tucson, AZ (1 course)	DFT 150 Technical Drafting
Cholla High School Tucson, AZ (1 course)	AJS 101 Introduction to Administration of Justice Systems
Canyon del Oro High School Tucson, AZ (4 courses)	PSY 101 Introduction to Psychology PSY 214 Abnormal Psychology WRT 101 Writing I WRT 102 Writing II
Flowing Wells High School Tucson, AZ (8 courses)	BIO 181 General Biology BIO 182 General Biology (Majors) II CHM 151 General Chemistry CHM 152 General Chemistry II HIS 141 History of the United States I HIS 142 History of the United States II POS 110 American National Government and Politics POS 120 Introduction to International Relations
Palo Verde High School Tucson, AZ (6 courses)	CHM 151 General Chemistry CHM 152 General Chemistry II HIS 141 History of the United States I HIS 142 History of the United States II MAT 220 Calculus I MAT 231 Calculus II
Sahuaro High School Tucson, AZ (3 courses)	SPE 102 Introduction to Oral Communication SPE 110 Public Speaking SPA 210 Intermediate Spanish I
Salpointe High School Tucson, AZ (17 courses)	BIO 181 General Biology CSC 100 Introduction to Computers and Information Systems CHM 130 Fundamental Chemistry CHM 140 Fundamental Organic and Biochemistry FRE 210 Intermediate French I FRE 211 Intermediate French II HUM 110 Humanities I HUM 111 Humanities II LIT 261 Modern Literature LIT 267 World Literature: Narrative MAT 172 Finite Mathematics MAT 182 Trigonometry MAT 220 Calculus I PHY 121 Introductory Physics I PHY 122 Introductory Physics II PSY 101 Introduction to Psychology REL 130 Asian Religions
Tucson High School Tucson, AZ (7 courses)	ART 100 Basic Design AST 101 Solar System AST 111 Solar System Laboratory CHM 130 Fundamental Chemistry MAT 122 Intermediate Algebra MUS 102 Guitar II REA 081 Reading Improvement

more →

Locations at Which Courses Were Offered	**Pima Community College** *Report on Community College Classes Offered in Conjunction with High Schools* Courses Offered
Tuller High School Tucson, AZ (1 course)	ECN 201 Microeconomic Principles
University High School Tucson, AZ (2 courses)	CSC 100 Introduction to Computers and Information Systems CSC 105 Survey of Microcomputer Uses

Pima Community College Course Descriptions – Top Ten Courses

BIO 181 General Biology **4 credits**
Prerequisite(s): Equivalent of one semester college chemistry, assessed placement at MAT 122 and REA 091. Principles of structure and function of living things at the molecular, cellular and organismic levels of organization. Includes scientific process; chemistry of the cell; cell structure, function, and reproduction; inheritance; molecular biology and biotechnology. (3 lec., 3 lab)

CHM 130 Fundamental Chemistry **5 credits**
Inorganic chemistry as a basis for the study of some life processes. Includes the classification, structure and general chemical behavior of inorganic matter. Adapted to the needs of students in allied health programs. (4 lec., 3 lab)

HUM 110 Humanities I **4 credits**
Introduction to major cultures from Sumer through the Reformation. Includes a focus on the general history of ideas, art, architecture, religion, philosophy, drama, music, and literature. Also includes readings from the "Epic of Gilgamesh", Homer, Sophocles, Aristophanes, Plato, Aristotle, Virgil's Aeneid, the Hebrew and the Christian Scriptures, St. Augustine, heroic and religious works of the Middles Ages, Danta, Chaucer, Machiavelli, and Shakespeare. (4 lec.)

HUM 111 Humanities II **4 credits**
Introduction to the culture of the modern western world from the Counter Reformation-Baroque to the present. Includes a focus on the general history of ideas, art, architecture, religion, philosophy, drama, music and literature. Also includes readings from the Baroque philosophers, Cervantes, Voltaire, Rousseau, Goethe, Romantic, pre-modern and contemporary literature, poetry, and drama. (4 lec.)

LIT 261 Modern Literature **3 credits**
Prerequisite WRT 102. Readings in modern fiction, drama and poetry. (3 lec.)

LIT 267 World Literature: Narrative **3 credits**
Prerequisite: WRT 102. Great narrative works of literary tradition with emphasis on form, theme and cultural context. (3 lec.)

MAT 172 Finite Mathematics **3 credits**
Prerequisite: MAT 151. Mathematics for students majoring in business. Includes set theory, partitions, permutations, combinations, probability, Bernoulli trials, Markov chains and the simplex method of linear programming. (3 lec.)

MAT 182 Trigonometry **3 credits**
Prerequisite: MAT 151 or concurrent enrollment. Introduction to trigonometric functions. Includes graphs, identities, angle measure, vectors, polar coordinates, and conic sections. (3 lec.)

PHY 121 Introductory Physics I **5 credits**
Prerequisite: High School algebra. Introduction to general physics for programs requiring a one-year, non-calculus based physics course. Includes mechanics and heat. (5 lec., 2 lab)

PSY 101 Introduction to Psychology **4 credits**
Survey of general psychology, including history and systems, physiology, sensation and perception, learning, motivation, cognition, development, personality, social and psychopathology. Content is a combination of elements of PSY 100A and 100B. Twelfth grade reading level or higher is strongly recommended. (4 lec.)

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Pinal County Community College District
Central Arizona College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 146

Locations at Which Courses Were Offered (4 locations)	Courses Offered (21 courses)
Apache Junction HS Apache Junction, AZ (2 courses)	COM 100 Introduction to Human Communication SOC 100 Introduction to Sociology
Casa Grande Union HS Casa Grande, AZ (2 courses)	ENG 101 English Composition III ENG 102 English Composition IV
Santa Cruz Valley Union HS Eloy, AZ (3 courses)	HOC 110A Medical Terminology A HOC 110B Medical Terminology B NUR 120 Nursing Assistant
Sequoia HS Mesa, AZ (14 courses)	COM 198 American Sign Language I COM 198 American Sign Language II ENG 101 English Composition III ENG 102 English Composition IV HIS 101 US History I HIS 102 US History II MAT 141 College Mathematics MAT 151 College Algebra Standard MAT 181 Trigonometry with Review MAT 211 Brief Calculus POS 101 American Politics SPA 101 Elementary Spanish I SPA 102 Elementary Spanish II SPA 201 Intermediate Spanish I

Central Arizona College Course Descriptions – Top Ten Courses

COM 100 Intro to Human Communication 3 credits
Basic theories, dimensions, and concepts of human communicative interaction and behavior in public, small groups, and interpersonal settings.

COM 198 American Sign Language I 3 credits
This course is designed to introduce students to manual communication, finger spelling and sign language and to the problems and personalities of the deaf.

ENG 101 English Composition III 3 credits
Development of students' abilities to read and write academic, college-level essays with an emphasis on creating and developing ideas, and using a process of writing, revising, and editing to create organized coherent, well-developed essays reflecting the conventions of English grammar, mechanics, and usage.

ENG 102 English Composition IV **3 credits**
Further emphasis on critical reading and essay writing, with each student writing short essays as well as an extended research paper, engaging students in the reading, thinking, and writing processes central to academic research: paraphrase, summary critical analysis, and synthesis.

HIS 101 US History I **3 credits**
A survey of the significant phases of the history of the United States from its discovery to the Civil War and Reconstruction, stressing the political development of the republic and the military aspects of its rise to its present eminence, noting cultural, social and economic aspects.

HIS 102 US History II **3 credits**
A survey of United States history after Reconstruction to the present, emphasizing the origins and development of the problems confronting a great industrialized world power and the issues arising from the two world wars.

HOC 110A Medical Terminology A **3 credits**
Proper pronunciation, usage, and definitions of the specialized vocabulary of a medical-related profession, and development of the ability to recognize by sight medical terminology in the context that it is used.

MAT 151 College Algebra, Standard **4 credits**
An accelerated study of algebra including topics such as equations, relations, functions, transformations, linear and quadratic functions and inequalities, systems of linear equations and inequalities, exponential and logarithmic functions, polynomials and rational functions, and imaginary and complex numbers.

MAT 181 Trigonometry With Review **4 credits**
A study of trigonometric equations, identities, solutions of right and oblique triangles, and inverse functions.

SPA 102 Elementary Spanish II **4 credits**
Refinement of communication skills in Spanish, emphasizing speaking, listening, and reading exercises, grammatical explanations, and cultural materials from Spanish-speaking countries.

Yavapai County Community College District
Yavapai College

Report on Community College Classes Offered in Conjunction with High Schools
(R7-1-709) FY 1998-1999

Total Number of Students Enrolled (Unduplicated Headcount): 649

Locations at Which Courses Were Offered (**3** locations)	Courses Offered (**48** courses)
Camp Verde High School Camp Verde, AZ (10 courses)	ART 084 Wood and Work Turning BSA 100 Woodplace Dynamics CSA 100 Getting to Know Your PC CSA 102 Fundamentals of Personal Computing CSA 111 Keyboarding CSA 121 Microsoft Works I CSA 140 Microsoft Word CSA 173 Microsoft Windows 95 CSA 177 Surfing the Internet LMS 111 Career and Life Planning
Mingus Union High School Cottonwood, AZ (36 courses)	ACC 121 Introductory Accounting AHS 131 Medical Terminology I AHS 132 Medical Terminology II ART 086 Watercolor ART 194 Watercolor I ART 195 Watercolor II AUT 101 Introduction to Automotive Mechanics BSA 130 Business Financial Applications BSA 230 Principles of Marketing BSA 235 Principles of Economics-Macro BSA 236 Principles of Economics-Micro BSA 237 Legal Environment of Business BSA 238 Business Law COM 102 Intermediate Sign Language COM 131 Fundamentals of Speech Communication ECE 270 Guidance and Discipline of Young Children ENG 101 College Composition I ENG 102 College Composition II LAW 100 Introduction to Paralegal Studies MTH 037 Beginning Algebra MTH 101 Technical Math I MTH 130 Intermediate Algebra MTH 131 College Algebra MTH 135 Precalculus MTH 151 Calculus and Analytic Geometry I NTR 135 Human Nutrition POS 221 Arizona Constitution and Government POS 222 National Constitution and Government PSY 234 Child Growth and Development SBM 230 Owning and Operating a Small Business SBM 240 Small Business Management *more →*

Locations at Which Courses Were Offered	Courses Offered
Mingus Union High School Cottonwood, AZ (continued)	SPA 131 Conversational Spanish I SPA 132 Conversational Spanish II WLD 112 Basic Welding I WLD 113 Basic Welding II WST 101 Introduction to Women's Studies
Prescott High School Prescott, AZ (2 courses)	LMS 150 Becoming a Master Student MUS 225 Community Chorale

Yavapai College Course Descriptions – Top Ten Courses

BSA 100 Workplace Dynamics **1 credit**
Techniques essential for successful employment. Human relations, self-evaluation, and peer/employer perception. Employee/employer relationships and job satisfaction.

BSA 236 Principles of Economics-Micro **3 credits**
Market Structures and price theory of the firm under perfect competition, monopoly, and oligopoly. Demand theory, marginal analysis, and utility theory.

CSA 173 Microsoft Windows 95 **1 credit**
Introduction to the computer operating environment Microsoft Windows 95. Graphic user interface fundamentals. Running programs under Windows 95. Installation and optimization of Windows 95 and applications.

ENG 101 College Composition I **3 credits**
Extensive practice in composing essays. Emphasis on processes of writing, reading, and critical thinking. Introduction to library skills.

LMS 111 Career and Life Planning **2 credits**
Making career choices and the steps necessary to achieve those goals. Recommended for undecided students or individuals who want to change careers.

LMS 150 Becoming a Master Student **3 credits**
Strategies and techniques to maximize academic performance. Skill development in analytical and critical thinking, research skills, memory enhancement and observing, recording and reviewing academic information.

MUS 225 Community Chorale **1 credit**
Rehearsal and performance of selected major choral works.

MTH 131 College Algebra **3 credits**
Relations and functions, determinants, matrices, complex numbers, math induction, sequences and series, binomial theorem, theory of equations.

SPA 131 Conversational Spanish I **3 credits**
Conversational approach with a basic foundation of grammar and the written language.

WLD 112 Basic Welding I **2 credits**
A basic course in oxyacetylene welding, including safety, welding techniques, basic metallurgy and welding gases.

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